

Title (en)
TRANSMISSION APPARATUS FOR WORK VEHICLE AND HST UNIT

Title (de)
GETRIEBEVORRICHTUNG FÜR ARBEITSFAHRZEUG UND HST-EINHEIT

Title (fr)
APPAREIL DE TRANSMISSION POUR VÉHICULE DE TRAVAIL ET UNITÉ HST

Publication
EP 3742023 A1 20201125 (EN)

Application
EP 20175427 A 20200519

Priority
JP 2019094918 A 20190521

Abstract (en)
A transmission apparatus for work vehicle (100A, 100B) includes a transmission input shaft (120) operatively connected to a driving source (10), an HST (200), a PTO transmission shaft (310) and a PTO output shaft (300). The transmission input shaft (120), an HST input shaft (210) and an HST output shaft (230) are displaced from one another, and the PTO transmission shaft (310) is arranged coaxially with the transmission input shaft (120) on a downstream side of the HST in a power transmission direction. Rotation power of the transmission input shaft (120) is accelerated by an acceleration gear train (130) and then operatively transmitted to the HST input shaft (210). Rotation power of the HST input shaft (210) is decelerated by a deceleration gear train (330) and then operatively transmitted to the PTO transmission shaft (310).

IPC 8 full level
F16H 47/04 (2006.01)

CPC (source: CN EP)
F16H 47/02 (2013.01 - CN); **F16H 47/04** (2013.01 - CN EP); **F16H 2037/0886** (2013.01 - EP)

Citation (applicant)
JP 2008111529 A 20080515 - ISEKI AGRICULT MACH

Citation (search report)
• [IA] US 2004244514 A1 20041209 - KAJINO MASAYORI [JP], et al
• [IA] US 2012046138 A1 20120223 - HANA HIDETOSHI [JP], et al

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (publication)
EP 3742023 A1 20201125; EP 3742023 B1 20220330; CN 111981101 A 20201124; CN 111981101 B 20240405; JP 2020189532 A 20201126; JP 7466885 B2 20240415

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